EML electronic music laboratories, inc.
P.O. Box H, Vernon, Connecticut 06066 Tel (203) 875-0751

SAMPLE SHEET
specs not shown

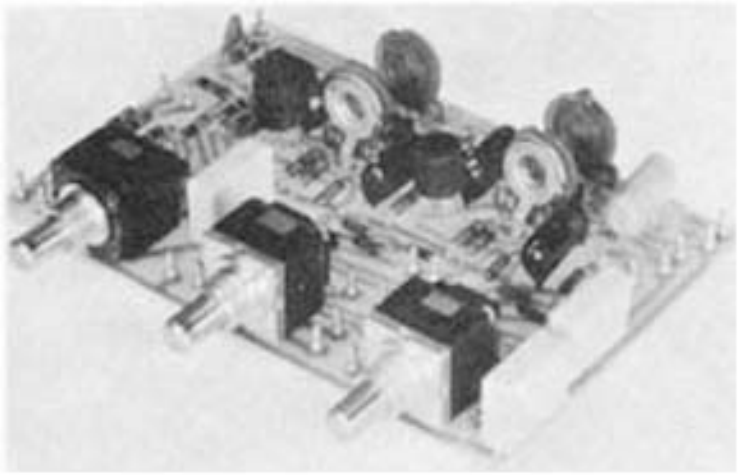
CIRCUIT MODULE DATA SHEET

VCF-1 VOLTAGE CONTROLLED FILTER

The VCF is probably the most important element in any electronic music system. It is responsible for the dramatic timbre changes so important in today's music.

The VCF-1 is designed to provide the ultimate in flexibility. It has excellent range - 16Hz to 20 Khz; simultaneous low pass, band pass, and high pass outputs plus switch selectable all pass, notch, and high and low pass elliptic filter modes. The VCF also lends itself to a self oscillation mode and voltage controlled resonance.

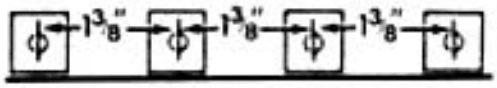
The minimum system will use 1 VCF. In larger systems a pair of VCFs, which may be used independently, in series, or in parallel, will provide an unbelievably fat, gutsy sound.



(blend pot not shown)

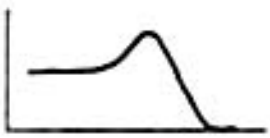
MECHANICAL

4.5" wide, .75" high, 3" behind panel

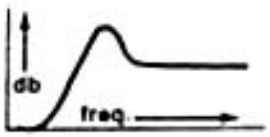


input gain tune resonance blend (not mntd)

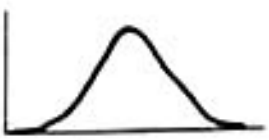
FILTER MODES



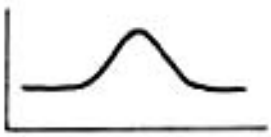
low pass



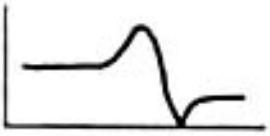
high pass



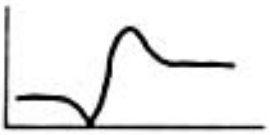
band pass



all pass

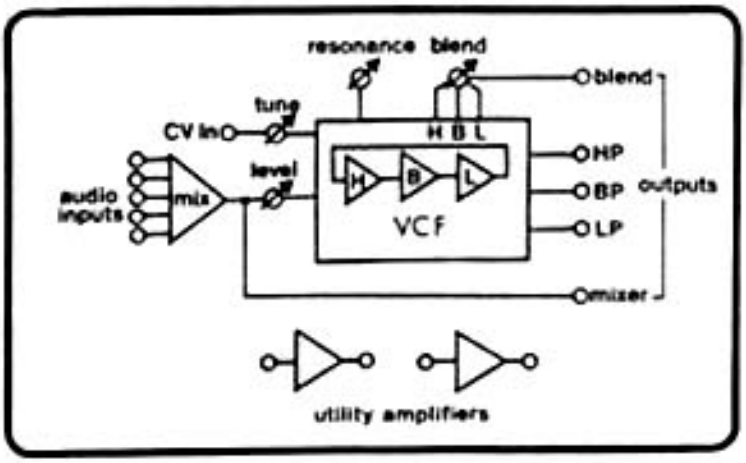


elliptic low pass



elliptic high pass

notch (band reject)



electronic music
laboratories, inc. P.O. Box H, Vernon, Connecticut 06066 Tel: (203) 875-0751

NEW! CIRCUIT MODULES

EML has a brand new line of circuit modules designed for music synthesis and specialty audio applications.

The glass-epoxy circuit boards are completely assembled and tested, using top quality components and proven designs.

All necessary control pots, and most switches, are mounted on the board - making it easy to mount behind your custom panel.

PART NO.	CIRCUIT FUNCTION	PRICE
VCO-1	Voltage Controlled Oscillator	$70.00
VCF-1	Voltage Controlled Filter	80.00
DVCA-1	Dual Voltage Controlled Amplifier	55.00
ADSR-1	ADSR Envelope Generator	45.00
AR-1	AR Envelope Generator w/ delayed gate	32.50
LFO-1	Low Frequency Oscillator	32.50
NS-1	White, pink noise random voltage	35.00
EA-1	Exponential Amplifier/Mixer	50.00
MX-1	4 Input Mixer	27.50
VP-1	Voltage Processor	22.50
LP-1	Lag Processor	27.50
SH-1	Sample & Hold w/ Internal Oscillator & Clock	40.00
EF-1	Envelope Follower/Preamp/with gate	45.00
RVB-1	Reverb	75.00
KB-1	3½ Octave Keyboard with Electronics	180.00
KB-2	5 Octave Keyboard with Electronics	225.00
PS-1	Regulated ±15 volt Power Supply	50.00

All circuits are supplied with diagrams and suggested applications.

- -

Complete data sheets with specs, dimensions, and some suggested applications are available. If you'd like a set, return the coupon below. Please include $1.00 to help cover mailing and handling.

NAME _____ AGE (optional) _____

ADDRESS _____ CITY _____ STATE _____

AREA OF SPECIAL INTEREST _____

TECHNICAL BACKGROUND _____